ABSTRACT OF THE DISCLOSURE

Methods and system for automatic identification of repeating patterns of slanted stripe features (marks) on an item. In the initial step of the method of this invention embodiment of the method of this invention a digital image of the item is acquired. Pixel data is then obtained for pixels in the digital image. Line segment data is extracted from the pixel data. A set of collinear line segments is identified from the line segment data. A set of lines intersecting members of the set of collinear line segments is identified from the line segment data. The set of intersecting lines and the set of collinear lines identify a set of marks. In one embodiment of the method of this invention, in identifying the set of collinear line segments, the method also includes constructing a histogram displaying a number of line segments in predetermined angular ranges. Systems of this invention implement the method.

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